

EXTERNALLY GLAZED ARTICLE
ABSTRACT OF THE DISCLOSURE

The invention describes an article and method comprising a refractory article having an outer surface covered by an insulating coating over which a protective glaze is applied. The method includes applying a suspension of an insulating coating to a refractory piece, drying the suspension, applying a glaze slip over the coating, and drying the slip to form a protective glaze. In one embodiment, the article comprises a carbon-bonded alumina-graphite nozzle, an insulating coating containing hollow microspheres, and a protective glaze formed from a fusible frit. The invention is described as improving wetting to the refractory piece, reducing delamination of the glaze and insulating coating from the piece, and reducing oxidation of the piece.

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